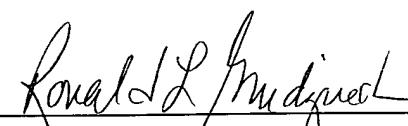
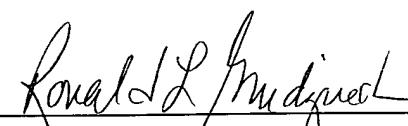
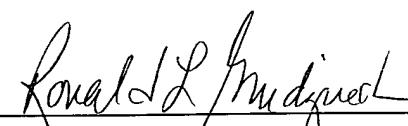


U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE Substitute for Form PTO-1390		ATTORNEY'S DOCKET NUMBER 028443-071 U.S. APPLICATION NO. (Known, see 37 CFR 1.5) 107529597
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		PRIORITY DATE CLAIMED 30 September 2002 (09.30.2002)
INTERNATIONAL APPLICATION NO. PCT/FI2003/000684	INTERNATIONAL FILING DATE 19 September 2003 (19.09.2002)	
TITLE OF INVENTION PHOTOACOUSTIC DETECTOR		
APPLICANT(S) FOR DO/EO/US KAUPPINEN, Jyrki		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission to items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p>a. <input type="checkbox"/> is attached hereto.</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 21 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: <u>General Authorization for Petitions for Extensions of Time and Payment of Fees; Application Data Sheet</u></p>		

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<p>21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>Noveltech Solutions Ltd., Ilmarinen, Finland</u></p> <hr/> <hr/> <hr/> <hr/> <hr/>																																																																																																																																									
<p>22. <input checked="" type="checkbox"/> The following fees are submitted:</p> <table border="1"> <tr> <td>Basic Filing Fee (1631)</td> <td>\$ 300.00</td> </tr> <tr> <td colspan="2">Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td>\$</td> </tr> <tr> <td>Total Claims</td> <td>14</td> <td>-20 =</td> <td>0</td> <td>× \$50.00 (1615)</td> <td>\$ 0.00</td> </tr> <tr> <td>Independent Claims</td> <td>2</td> <td>-3 =</td> <td>0</td> <td>× \$200.00 (1614)</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td></td> <td></td> <td>+ \$360.00 (1616)</td> <td></td> </tr> <tr> <td colspan="2">Examination Fee</td> <td></td> <td></td> <td>+ \$200.00 (1633)</td> <td>\$ 200.00</td> </tr> <tr> <td colspan="2">Search Fee</td> <td></td> <td></td> <td>+ \$500.00 (1632)</td> <td>\$ 500.00</td> </tr> <tr> <td colspan="2">App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 1,000.00</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td></td> <td></td> <td>+ \$ 500.00</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td>SUBTOTAL =</td> <td>\$ 500.00</td> </tr> <tr> <td colspan="2">Processing fee of \$130.00 (1618) for furnishing the English translation later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td></td> <td></td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td>TOTAL NATIONAL FEE =</td> <td>\$ 500.00</td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td>TOTAL FEES ENCLOSED =</td> <td>\$ 500.00</td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td>Amount to be refunded :</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td></td> <td>charged :</td> <td></td> </tr> <tr> <td colspan="6"> <p>a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Charge <u>\$ 500.00</u> to credit card. Form PTO-2038 is attached.</p> </td> </tr> <tr> <td colspan="6"> <p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p> </td> </tr> <tr> <td colspan="3">SEND ALL CORRESPONDENCE TO:</td> <td colspan="3">  Ronald L. Grudziecki SIGNATURE </td> </tr> <tr> <td colspan="3">Burns, Doane, Swecker & Mathis, L.L.P. P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620</td> <td colspan="3"> Ronald L. Grudziecki NAME </td> </tr> <tr> <td colspan="3"></td> <td>24,970</td> <td colspan="2">March 30, 2005</td> </tr> <tr> <td colspan="3"></td> <td>REGISTRATION NO.</td> <td colspan="2">DATE</td> </tr> </table>			Basic Filing Fee (1631)	\$ 300.00	Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total Claims	14	-20 =	0	× \$50.00 (1615)	\$ 0.00	Independent Claims	2	-3 =	0	× \$200.00 (1614)	\$ 0.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00 (1616)		Examination Fee				+ \$200.00 (1633)	\$ 200.00	Search Fee				+ \$500.00 (1632)	\$ 500.00	App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)										TOTAL OF ABOVE CALCULATIONS =	\$ 1,000.00	<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. 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